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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/066,102	01/31/2002	Steven Teig	SPLX.P0106	6032	
23349	7590 02/17/2004		EXAMINER		
STATTLER JOHANSEN & ADELI P O BOX 51860			GARBOWSKI, LEIGH M		
PALO ALTO			ART UNIT	PAPER NUMBER	
			2825		
			DATE MAILED: 02/17/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

					<i>M</i> : -				
		Appli	cation No.	Applicant(s)					
Office Action Summary		10/06	66,102	TEIG ET AL.					
		Exam	iner	Art Unit					
			Marie Garbowski	2825					
Period fo	The MAILING DATE of this commu or Reply	nication appears or	n the cover sheet with the c	correspondence ad	idress				
THE N - Exter after - If the - If NO - Failui - Any r	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN usions of time may be available under the provision SIX (6) MONTHS from the mailing date of this com period for reply specified above is less than thirty (period for reply is specified above, the maximum s re to reply within the set or extended period for repl eply received by the Office later than three months id patent term adjustment. See 37 CFR 1.704(b).	ICATION. s of 37 CFR 1.136(a). In a munication. 30) days, a reply within the tatutory period will apply a y will, by statute, cause the	no event, however, may a reply be ting e statutory minimum of thirty (30) day and will expire SIX (6) MONTHS from e application to become ABANDONE	nely filed s will be considered time the mailing date of this of (35 U.S.C. § 133).	.ly. communication.				
1)	Responsive to communication(s) file	ed on							
2a) <u></u> □	This action is FINAL .	2b)⊠ This action i	s non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
5)□ 6)⊠ 7)□	Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-15 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers								
10)[2]	The specification is objected to by the The drawing(s) filed on 31 January 2 Applicant may not request that any objected to the content drawing sheet(s) including the oath or declaration is objected to	2002 is/are: a)⊠ action to the drawing the correction is re	(s) be held in abeyance. See quired if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 C	FR 1.121(d).				
Priority u	nder 35 U.S.C. §§ 119 and 120								
a)[* S 13)⊠ A sir 37 a) 14)∐ A	Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internation ee the attached detailed Office action cknowledgment is made of a claim frace a specific reference was included CFR 1.78. The translation of the foreign lare cknowledgment is made of a claim of the foreign lare cknowledgment is made of a claim of the foreign lare cknowledgment is made of a claim of the foreign lare cknowledgment is made of a claim of the foreign lare	documents have lead of the priority documents have lead of the priority document (PCT on for a list of the coordomestic priority denoted in the first sente on domestic priority or domestic priority of the priority domestic priority domestic priority domestic priority	been received. been received in Application uments have been received Rule 17.2(a)). bertified copies not receive y under 35 U.S.C. § 119(e) nce of the specification or I application has been receive y under 35 U.S.C. §§ 120	on No ed in this National d. e) (to a provisional in an Application eived. and/or 121 since	l application) Data Sheet. a specific				
Attachment	(s)								
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (F lation Disclosure Statement(s) (PTO-1449) P		4) Interview Summary 5) Notice of Informal Pa						

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 6-9 and 12-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Scepanovic et al. [U.S. Patent #5,578,840].

As per claim 1, Scepanovic et al. disclose an IC layout comprising a first set of Steiner points that are in shape of a non-quadrilateral polygon [column 7, lines 39-42]. As per claims 6-7, Scepanovic et al. further disclose wherein the polygon is a hexagon, has six equal sides [figure 2]. As per claim 8, Scepanovic et al. further disclose a) a set of nets with routable elements [column 6, lines 57-59]; b) a first set of interconnect lines for connecting routable elements of the nets, wherein the interconnect lines have ends that are partial non-quadrilateral polygons [column 7, lines 39-42]. As per claim 9, Scepanovic et al. further disclose wherein the interconnect line ends are half nonquadrilateral polygons [column 7, lines 39-42]. As per claim 12, Scepanovic et al. disclose an IC layout comprising a first set of Steiner points, wherein each Steiner point in the first set has a circular shape [column 7, lines 39-42; column 8, lines 30-36]. As per claim 13, Scepanovic et al. further disclose a second set of Steiner points, wherein each Steiner point in the second set has a non-circular shape [column 6, lines 57-59; column 8, lines 30-42]. As per claims 14-15, Scepanovic et al. further disclose a) a set of nets with routable elements [column 6, lines 57-59]; b) a first set of interconnect lines

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for connecting the routable elements of the nets, wherein the interconnect lines have ends that are partially circular, semi-circular [column 8, lines 30-42].

Claims 1-15 rejected under 35 U.S.C. 102(b) as being anticipated by Rostoker et al. [U.S. Patent #5,822,214].

As per claim 1, Rostoker et al. disclose an IC layout comprising a first set of Steiner points that are in shape of a non-quadrilateral polygon [column 18, lines 22-29; column 86, lines 48-58]. As per claims 2-3, Rostoker et al. further disclose wherein the polygon is an octagon, has eight equal sides [column 18, lines 22-29; column 86, lines 48-58]. As per claim 4, Rostoker et al. further disclose a second set of Steiner points that have a diamond shape [column 18, lines 22-29; column 86, lines 48-58]. As per claim 5, Rostoker et al. further disclose a third set of Steiner points that have a rectangular shape [column 18, lines 22-29; column 86, lines 48-58]. As per claims 6-7, Rostoker et al. further disclose wherein the polygon is a hexagon, has six equal sides [column 18, lines 22-29; column 86, lines 48-58]. As per claim 8, Rostoker et al. further disclose a) a set of nets with routable elements [column 77, lines 35-36, 66-column 78, line 6]; b) a first set of interconnect lines for connecting routable elements of the nets, wherein the interconnect lines have ends that are partial non-quadrilateral polygons [column 18, lines 22-29; column 86, lines 48-58]. As per claims 9-11, Rostoker et al. further disclose wherein the interconnect line ends are half non-quadrilateral polygons, half octagons and the Steiner points are octagons, half hexagons and the Steiner points are hexagons [column 18, lines 22-29; column 86, lines 48-58]. As per claim 12, Rostoker et al. disclose an IC layout comprising a first set of Steiner points, wherein

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each Steiner point in the first set has a circular shape [column 18, lines 22-29; column 86, lines 48-58]. As per claim 13, Rostoker et al. further disclose a second set of Steiner points, wherein each Steiner point in the second set has a non-circular shape [column 18, lines 22-29; column 86, lines 48-58]. As per claims 14-15, Rostoker et al. further disclose a) a set of nets with routable elements [column 77, lines 35-36, 66-column 78, line 6]; b) a first set of interconnect lines for connecting the routable elements of the nets, wherein the interconnect lines have ends that are partially circular, semi-circular [column 18, lines 22-29; column 86, lines 48-58].

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leigh Marie Garbowski whose telephone number is 571-272-1893. The examiner can normally be reached on days.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2800.

LEIGH M. GARBOWSKI PRIMARY EXAMINER